

United States of America  
FEDERAL COMMUNICATIONS COMMISSION

File No. BP-821110AU

Call Sign: WTNN

AM BROADCAST STATION CONSTRUCTION PERMIT

1. Permittee:

L & M MEDIA, INC.

2. Station location ..... : Millington, Tennessee

3. Transmitter location ..... : 6960 Bucknell Road,  
Millington, Tennessee

North Latitude ..... : 35° 18' 56"

West Longitude ..... : 89° 55' 23"

4. Main studio location ..... : Within city limits or at  
Transmitter Site.

5. Remote control location : Authorized

6. Transmitter ..... : Type accepted,

(See Section 73.1660, 73.1665 and  
73.1670 of the Commission's Rules.)

7. Antenna and ground system :  
See Page #2

8. Obstruction marking and  
lighting specifications ..... : FCC Form 715 , paragraphs: None required

9. Operating Assignment

Frequency ..... : 1380 kHz

Power - Night ..... : 1.0 kW (directional antenna)

Day ..... : 2.5 kW (directional antenna)

Hours of Operation ..... : Unlimited

10. Conditions ..... : See Page #3

11. Date of required completion of construction: June 21, 1984

Average hours of sunrise and sunset:  
Standard Time (Non-Advanced)

SAME AS PRESENT LICENSE

Subject to the provisions of the Communications Act of 1934, as amended, treaties, and Commission Rules, and further subject to conditions set forth in this permit, authority is hereby granted to construct an AM broadcast station located and described as above.

Equipment and program tests shall be conducted only pursuant to Sections 73.95 and 73.96 of the Commission Rules.

This permit shall be forfeited if the station is not ready for operation within the time specified or within such further time as the Commission may allow unless completion of the station is prevented by causes not under the control of the permittee.

1/ This construction permit consists of this page and page(s)

June 21, 1983

KJD

Dated:

FEDERAL  
COMMUNICATIONS  
COMMISSION



FCC Form 351

File No. BP 821110AU Call Letters WINN Date 6/21/83  
1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM DA 2

No. and Type of Elements: Five(5) standard, guyed, uniform, cross-section towers.  
Day: RMS Theo: 445.79 mV/m at 1 kil.; RMS Std. = 468.35 mV/m at 1 kil. Night:  
RMS Theo. 302.4 mV/m at 1 kil.; RMS Std: 317.67 mV/m at 1 kil.

Height above Insulators: All five towers: 178' (90°)

Overall Height: All five towers: 180'

Spacing and Orientation: Nighttime operation: Four towers form a parallelogram.  
Tower #1 is the reference tower. Tower #2 is spaced 185° on a line bearing 280°  
true. Tower #3 is spaced 166.3° on a line bearing 305.6° true. Tower #4 is spaced  
80° on a line bearing 36° true. Daytime operation: Tower #4 & #5 are used.  
Tower #5 is spaced 126° from tower #4 on a line bearing 249° true.

Non-Directional Antenna: None used.

Ground System As proposed

## 2. THEORETICAL SPECIFICATIONS

	Tower	#1	#2	#3	#4	#5
Phasing:	Night	0°	23°	148.4°	125.4°	-
	Day	-	-	-	0°	55°
Field Ratio:	Night	1.00	.88	.845	.96	-
	Day	-	-	-	1.00	.333

3. The inverse distance field intensity at a distance of one mile from the above antenna in the directions specified shall not exceed the following values:

<u>Day</u>		<u>Night</u>	
<u>Azimuth</u>	<u>Radiation</u>	<u>Azimuth</u>	<u>Radiation</u>
69.0° True	312.33 mV/m	83.0° True	7.45 mV/m
242.0° True	180.26 mV/m	248.0° True	31.69 mV/m
256.0° True	180.26 mV/m	312.5° True	15.42 mV/m
		349.0° True	10.54 mV/m

A monitoring point in each of the above directions in which a field intensity is specified shall be designated with complete detail including a description of the point, directions for proceeding thereto and the field intensity measured at the point after final adjustment of the antenna system in exact accordance with the terms of this authorization and the Rules and Regulations and Standards of Good Engineering Practice Governing Standard Broadcast Stations. The points shall be in the clear so as to permit the taking of unobstructed field intensity measurements and shall be located not less than one mile nor more than four miles from the antenna in the direction specified.

No operation shall occur other than during the experimental period until data has been submitted showing that operation is in accordance with the above specifications and that the field intensity pattern is in substantial agreement with the theoretical pattern specified in the application

Field measuring equipment shall be available at all times and, after commencement of operation, the field strength at each of the monitoring points shall be measured at least once every seven days and an appropriate record kept of all measurements so made.

A complete nondirectional proof of performance, in addition to a complete proof on the day and night directional antenna system, shall be submitted before program tests are authorized. The nondirectional and directional field strength measurements must be made under similar environmental conditions.

Permittee shall install a type accepted transmitter or perform measurements made in accordance with Section 73.48 of the Rules and include such data in the station file.

Antenna obstruction markings not required

Operation by remote control authorized.